

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 080328-301 Job No. J3P0742 Date 10/08/2008
County Pike Route 61 Original Bid Cost \$406,045.62
Contractor Mid-River Asphalt Inc. By MoDOT/Mid-River
Designed By Jerad Noland Phone 573-248-2441
VECP 08-84

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Design plans called for re-alignment of the Rte. 61 mainline pavement through the project limits in order to reduce the severity of the existing horizontal curve. The plans called for the construction of Type A-2 shoulders throughout the project. The median A-2 shoulder was constructed as planned. This proposal would allow the existing driving lane and shoulder to be utilized as base for the new driving shoulder. Additional asphalt material could then be wedged to complete the new driving shoulder in lieu of the removal and replacement option called for in the plans.

2. Estimate of reduction in construction costs. \$10,780.38

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

Wedging over the existing mainline pavement and shoulder cross-section will provide a more stable shoulder structure and will perform above what could be expected from the Type A-2 shoulders.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

10/08/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

10/09/2008

(date)

none

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

n/a

(date and/or dates)

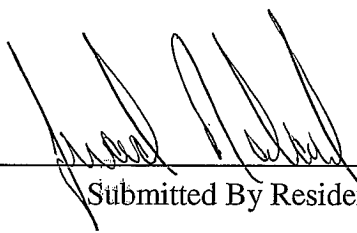
Additional Comments:

This concept provided a higher quality shoulder at a lower contract cost.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

This construction concept was initiated by MoDOT personnel and proposed to the contractor. Since the contractor agreed with the concept and subsequently modified his construction activities in order to facilitate these changes, a 75% - MoDOT / 25% - Contractor Cost Split was agreed upon.



Submitted By Resident Engineer

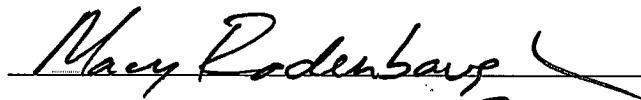
10/08/2008

Date

Comments:

Agree with RE comments. Good way to utilize existing pavement to achieve better product at a reduced cost.

- ☒ Approval
Recommended
☐ Rejection
Recommended



District Engineer For Paula Bough

10/9/08

Date

Comments:

- ☒ Approval
☐ Rejection



State Construction and Materials Engineer

OK DMG 10/14/2008

10-20-08

Date

Distribution: Resident Engineer, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

This project was a change in horizontal curve. Instead of removing the existing pavement, part of it was used as the base for the new shoulder, which allowed the shoulder to be less expensive while providing a superior product.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.